



LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 2002 Water Surface

CONTROL POINT DATA

L-28 -- not found

GAGE DATA (from USGS)

L-27 (concrete and pipe)

Northing: 2296330.964

Easting: 6674949.282

Elevation: 143.56'

Oroville Gage:

7/14/92: 1010cfs

9/5/02: 633cfs

Gridley Gage:

7/14/92: 2890cfs

9/5/02: 385cfs

TRANSECT DATA

Length (2002): 1256.71'

Length (1991): 419.08'

Azimuth: 21°37'18"

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Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 14, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing
FERC Project No. 2100

SP--G2 -- Task 3
Appendix C -- Plate 9
Channel Changes -- 1992 - 2002
Robinson Rifle -- Transect 2
RM 61.08



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Filename
CrossSectionComparisons--IFIM-jhm-